Office of Enforcement

CHAIN OF CUSTODY RECORD

PROJ. 02AH4	I	PROJEC Cheshire				у	34	NO.				Activity Code: 12345 9007 A
SAMPLER Mike Murp	S: (Print	Nama e Le Mu	and :	Sign)	Mis	ho Mee	est of	OF	a 1 y	e /		// AIR 20020068
Mike Murp	DATE	TIME	_005p	GRAB		STATI	ON LOCATION	CON- TAINERS	An /			TAG NUMBERS
DO1	4/26	00:00	Х		GHS			1				5-340204 1 to 1
S03	4/26	00:00	Х		ADDA	VILLE		1				5-340206 1 to 1
SO1	4/26	00:00	Х		GHS			1				5-340203 1 to 1
SO2	4/26	00:00	Х		RVHS	3		4				5-340205 1 to 1
	*				Charles	1						GHS#3012, PSTG AUG = 19.6
												GHS#3012, PSTG AUG = 19.6 GHS#3013, PSTG AUG = 19.4
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Relinquishe	ed by: (S	Signature)		Date /	Time	Received by: (Signature)	gnature)	1			Ship To:
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								5-140051			- 1	

AND DESCRIPTION OF THE PERSON		ivit ponto	STUDY :5/15/2012	10-00	75,70	1101000
Sampler					20	
Mike Murphy	<u> 4</u> //	Carrier Commission Com	THE STREET			
Cooler ID 02AH451	Page 5-1400	51				**************************************
Sample Id: Station	Date / Time	Grab / Comp	Station Location		No Bottles	Tag Numbers
02AH45DO1 DO1	26/04/2002 00:00:00	○ Grab Com	GHS		1	5-340204 1 to 1
Bottle No. 1	Parameter	9,		42 kg	¥	
20111111111111111111111111111111111111	PM10	11 - 211		1 × 2 × 2	×	# 44 U N
Sample Id: Station	Date / Time	Grab / Comp	Station Location		No Bottles	Tag Numbers
02AH45S03 S03	26/04/2002 00:00:00	○ Grab Com	ADDAVILLE		1	5-340206 1 to 1
Bottle No. 1	Parameter				7	
Dottie No.	PM10	g ²		91		
Sample ld: Station	Date / Time	Grab / Comp	Station Location		No Bottles	Tag Numbers
02AH45SO1 SO1	26/04/2002 00:00:00	◯ Grab Com	GHS		1	5-340203 1 to 1
Bottle No. 1	Parameter				19	
	PM10		₽			
Sample ld: Station	Date / Time	Grab / Comp	Station Location		No Bottles	Tag Numbers
)2AH45SO2 SO2	26/04/2002 00:00:00	Grab Com	RVHS		1	5-340205 1 to 1

CENTRAL REGIONAL LABORATORY

Data Checklist

Data	Set alR 20020068 Cheshire Monitoring Study
	Suspended Particles
9	Chain of Custody
	Analysis Request Form(s)*
	Sample Tags

- Transmittal Report w/signatures of the following:
 - Analyst(s)
 - Environmental Data Coordinator

*Analysis Request Forms provide the data user a means to connect sample numbers with sampling locations.

Prepared by: Sylvia Shiffin 6-3-03
Environmental Data Coordinator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date:

JUN 0 3 2002

Subject:

Review of Region 5 Data for **CHESHIRE MONITORING STUDY**

From:

Edgar Santiago, Chemist FAA for ES Region 5 Central Regional Laboratory

To:

Attached are the results for: **CHESHIRE MONITORING STUDY**

CRL data set number: 20020068

Samples analyzed for: Suspended Particles

Results are reported for sample designations: 2002AH45D01, 2002AH45S01, 2002AH45S02,

and 2002AH45S03.

4.89 %E	o.	~1	MARA
JUM	8 3	3/	7107

JUN 0 3/ 2002
Data Management Coordinator and Date Received
Date Transmitted: JUN 0 3 2002
Please have the U.S. EPA Project Manager/Officer complete the Customer Satisfaction Survey attached, or call the CRL Sample Coordinator at 3-1226.
Please sign and date this form below and return it with any comments to:
Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C
(a) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
Received by and Date

Comments:

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
В	This flag is used when the analyte is found in the associated <u>B</u> lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is <u>estimated</u> due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (<u>J</u> is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL <u>Method</u> Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is <u>estimated</u> since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te <u>N</u> tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or <i>Q</i> uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are <u>Rejected</u> and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. <u>No value is reported with this qualification flag.</u>
U	This flag in used when the analyte was analyzed for but <u>U</u> ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

ENVIRONMENTAL PROTECTION AGENCY REGION V

CENTRAL REGIONAL LABORATORY FINAL RESULT REPORT FOR THE TEAM: <u>ANALYTICAL AND INORGANIC (A&I)</u>

DIVISION/BRANCH: AIR DIVISION SAMPLING DATE: 04/26/2002 LAB ARRIVAL DATE: 05/15/2002 DUE DATE: 06/05/2002 DU NUMBER: 90101A DATA SET NUMBER: 20020068 STUDY: CHESHIRE MONITORING STUDY PRIORITY: 1 LABORATORY: CRL

SAMPLE #	CRL LOG NUMBER	SAMPLE DESCRIPTION	SUSPENDED PARTICLE (g/filter)		
1	2002AH45D01	GUIDING HANDS SCHOOL	0.0322		
2	2002AH45S01	GUIDING HANDS SCHOOL	0.0306		
3	2002AH45S02	RVHS	0.0343		
4	2002AH45S03	ADDAVILLE	0.0303	- 19	Tage 2
DATE	OF ANALYSIS		05/21- 22/2002		
A	NALYST		8.3	7.000	

		() ()	
Reviewed	by:	MM	

Date: 5 /3/102

Page 1 of 1

CRL SOP: HK015	Date: 07 January 2000	Revision No: 1
Data review for the Analytical and	Inorganic Group	Page of

Batch Number: 20020068 Facility: CHESHILE MON, Parameter: PM, 0 CRL.SOP: A16-047	10K1100	A 60 00
Package Overview:	YES	NO
Raw Data Package Complete?		
Results Reported Correctly?		
Special Requests Done?	NA	1.
Calculations Checked?		22 4.
Calibration Not Exceeded?	NA	
Manual Peak Integration performed? Circle one IC or GC and Check	NA	
Field QC Checked?	NA	3-8
Quality Control:		
Holding Times Met?	W/A	a ti _{est}
Preservation Checked?	NIA	
Proper Digestion Verified?	۸/۸	11.5
Initial Instrument Performance Checks Verified?		
Calibration Verification Checked?	NA	252
Sample-Specific QC (Internal Standards or Analytical Spikes) Okay?	אא	
Matrix QC Checked?	NA	
Digestion Blanks Checked?	NIA	
Spiked Blank Checked?	N/A	Shor
LCS (if applicable) Checked?	P/A	
QCS (if applicable) Checked?	NA	137
Final Check		(E = 49) E = (4
Technical Review Done?	1	2.
Narrative Complete?		
Analyst: Peer Reviewer: 🗗 🗚		
Date: $5/32/02$ Date: $5/31/02$		
Comments Attached? (Y/N)		91 _{XX}

Data Set Number:	20020068	Parameter:	Suspended Particles	
Facility Name:	CHESHIRE MONITO	ORING STUDY	westerness and the second seco	
Study Name:	CHESHIRE MONITO	ORING STUDY		
Date of Narrative:	05/22/2002	Analyst:	ES	
,	F Q	Signature:	6.8	965

ANALYSIS CASE NARRATIVE

Four (4) exposed filters were received for suspended particle analysis at the Central Regional Laboratory (CRL) on May 15, 2002. Those filters were fractions of clean filters, prepared at the CRL and sent to the field for exposure. Filter identification numbers and other pertinent information obtained from the individual filters and packaging envelopes are presented in the table below.

Filters ID	Samples ID	Tag Number
Q6279986	2002AH45D01	5-340204
Q6279987	2002AH45S01	5-340203
Q6279982	2002AH45S02	5-340205
Q6279983	2002AH45S03	5-340206

Filter equilibrations and final weighting of exposed filters were performed according to CRL.SOP AIG047. Analysis of exposed filters began on 05/21/2002 and was completed on 05/22/2002. All exposed filters were in good conditions. No sampler sn number was provided for filters Q6279982 and Q6279983 (CRL sample I.D number 2002AH45S02 and 2002AH45S03.

QUALITY CONTROL (QC):

Analysis results were evaluated using the QC requirements of CRL.SOP AIG047. All the required quality control criteria for the laboratory, method, and system performance audits were evaluated and determined to be within the limits.

SAMPLE RESULTS:

All the sample results are acceptable for use.

ELECTRONIC DATA:

No electronic data.

CHESHIRE AIR MONITORING PROJECT PM10

Parameter: Suspended Particles

Data Set Numbers:

20020066-20020070

Date of Analysis 05/21-22/2002

Analyst:

ES

BALANCE VERIFICATION:

Sandard Weights	Balanced weight	Differences	
Actual (g)	Balanced (g)	(g)	
		Limit +/-0.0005 g	
per .	202		
1.0000	1.0000	0.0000	
1.0000 2.0000	2.0001	0.0000 -0.0001	

QC-SUMMARY FOR EXPOSED FILTERS

Filter ID	CRL Sample	Analysis	ANALYST	Exposed	
Number	I.D Number	Date		weight (g)	
Q6279991	2002AH47S01	05/22/02	Analyst 1	4.3634	
Q6279991	2002AH47S01	05/22/02	Analyst 2	4.3638	
Differences (Limit +/- 5	5 mg)			-0.0004	
Q6279983	2002AH45S03	05/22/02	Analyst 1	4.3910	
Q6279983	2002AH45S03	05/22/02	Analyst 2	4.3914	
Differences (Limit +/- 5	mg)			-0.0004	

CHESHIRE AIR MONITORING PROJECT PM10

Filter ID	CRL Sample	Sampling	Station	Sampler	Pstg	P1/Pa	Total	Pre Weight	Exposed	Weight	PM10
Number	I.D Number	Date	Location	SN	Avg		Volume (M^3)	of filters (g)	weight (g)	Gain	(UG/M^3)
									1		
Data set N	umber 20020068						//	1			
Q6279986	2002AH45D01	04/26/02	Guiding Hands School	3013	19.40		0.00	4.3982	4.4304	0.0322	ERR
Q6279987	2002AH45S01	04/26/02	Guiding Hands School		19.60		0.00	4.3899	4.4205	0.0306	ERR
		04/26/02	RVHS		19.40		0.00	4.3609	4.3952	0.0343	ERR
	2002AH45S03	04/26/02	Addaville		19.30		0.00	4.3607	4.3910	0.0303	ERR

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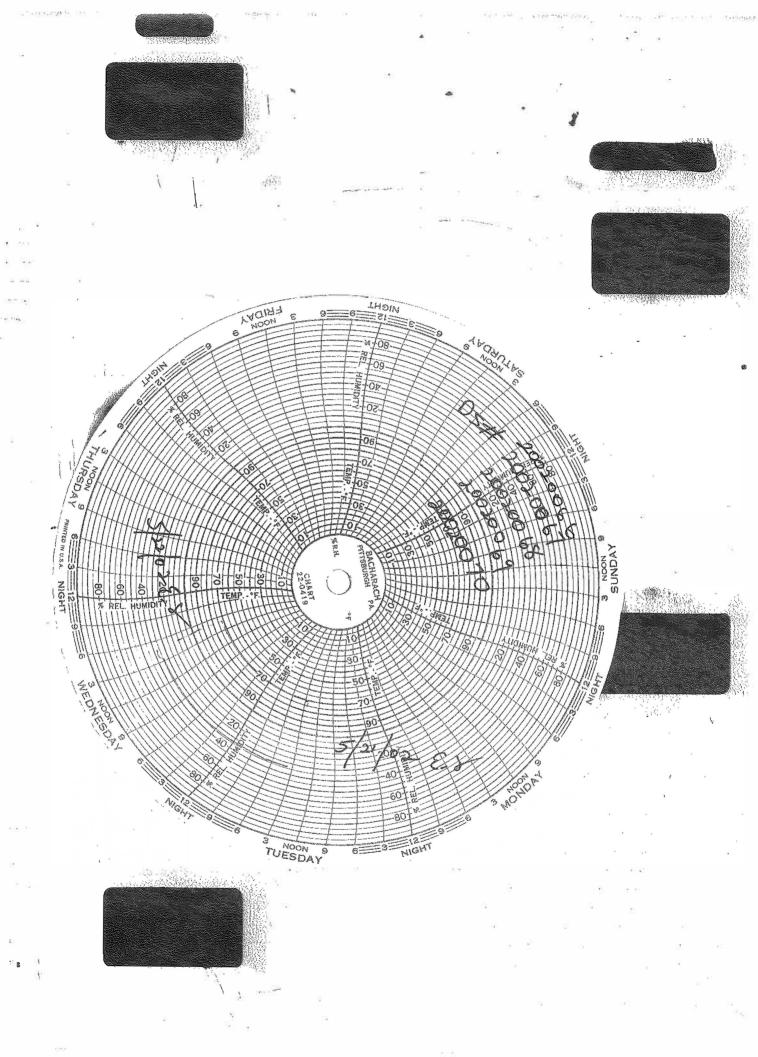
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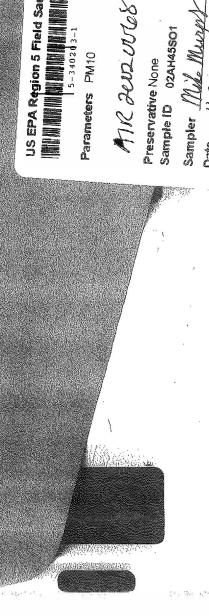
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